



Matt Blunt, Governor • Doyle Childers, Director

## DEPARTMENT OF NATURAL RESOURCES

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JAN 27 2006

Mr. Jeff Limberg, Plant Superintendent  
Owensville Power Plant  
202 E. Marvin Avenue  
Owensville, MO 65066

Re: Owensville Power Plant, 073-0043  
Permit Number: **OP2006-003**

Dear Mr. Limberg:

Enclosed with this letter is your intermediate operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important that you read and understand the requirements contained in your permit.

If you have any questions or need additional information regarding this permit, please contact the Air Pollution Control Program at (573) 751-4817, or you may write to the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.  
Operating Permit Unit Chief

MJS:csb

Enclosures

c: Ms. Tamara Freeman, U.S. EPA Region VII  
Mr. Tom Markowski, St. Louis Regional Office  
PAMS File: 2002-05-096



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**Missouri Department of Natural Resources**  
**Air Pollution Control Program**

## PERMIT TO OPERATE

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth here in.

**Intermediate Operating Permit Number:** OP2006-003  
**Expiration Date:** JAN 26 2011  
**Installation ID:** 073-0043  
**Project Number:** 2002-05-096

**Installation Name and Address**

Owensville Power Plant  
202 E. Marvin Avenue  
Owensville, MO 65066  
Gasconade County

**Parent Company's Name and Address**

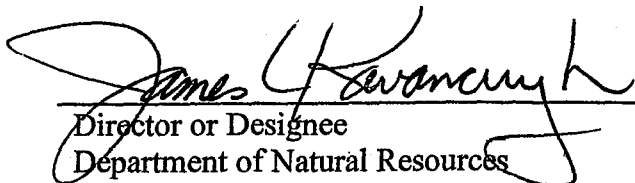
City of Owensville  
107 W. Sears Avenue  
Owensville, MO 65066

**Installation Description:**

This installation is a municipal power plant which generates electricity for the city of Owensville, Missouri.

JAN 27 2006

\_\_\_\_\_  
Effective Date

  
\_\_\_\_\_  
Director or Designee  
Department of Natural Resources

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## I. Installation Description and Equipment Listing

### INSTALLATION DESCRIPTION

This installation is a municipal power plant which generates electricity for the city of Owensville, Missouri.

Reported Air Pollutant Emissions, tons per year							
Year	Particulate Matter ≤ Ten Microns (PM-10)	Sulfur Oxides (SO <sub>x</sub> )	Nitrogen Oxides (NO <sub>x</sub> )	Volatile Organic Compounds (VOC)	Carbon Monoxide (CO)	Lead (Pb)	Hazardous Air Pollutants (HAPs)
2004	-	-	0.19	0.01	0.05	-	-
2003	0.04	0.03	2.06	0.06	0.55	-	-
2002	-	-	0.21	0.01	0.06	-	-
2001	0.56	0.50	31.50	0.93	8.37	-	-
2000	0.51	0.51	31.50	1.08	8.24	-	0.02

### EMISSION UNITS WITH LIMITATIONS

The following list provides a description of the equipment at this installation which emits air pollutants and which is identified as having unit-specific emission limitations.

Emission Unit #	Description of Emission Unit	Emission Point #
EU0010	Generator #1	EP-10
EU0020	Generator #2	EP-11
EU0030	Generator #4	EP-04
EU0040	Generator #5	EP-05
EU0050	Generator #6	EP-08
EU0060	Generator #7	EP-09

### EMISSION UNITS WITHOUT LIMITATIONS

The following list provides a description of the equipment that does not have unit specific limitations at the time of permit issuance.

Description of Emission Source	Emission Point #
Fuel Tank # 1	EP-01
Fuel Tank # 2	EP-02
Day Tanks	EP-03
Waste Oil Tank	EP-06
Parts Washer	EP-07

### DOCUMENTS INCORPORATED BY REFERENCE

These documents have been incorporated by reference into this permit.

- 1) Construction Permit 0997-024, issued August 26, 1997
- 2) Construction Permit 1098-014, issued September 18, 1998
- 3) Construction Permit 0799-022, issued July 13, 1999

## II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

### PERMIT CONDITION PW001

#### Voluntary Limitation

#### Emission Limitation:

The permittee shall discharge into the atmosphere from the entire installation less than 100.00 tons of nitrogen oxides (NO<sub>x</sub>) in any consecutive 12-month period.

#### Monitoring/Record Keeping:

- 1) The permittee shall maintain an accurate record of emissions of NO<sub>x</sub> emitted into the atmosphere from this installation. The permittee shall record the monthly and running 12-month totals of the NO<sub>x</sub> emissions from this facility. The permittee shall use Attachment A (Monthly NO<sub>x</sub> Emissions Tracking Record) or an equivalent form for this purpose.
- 2) The permittee shall maintain these records on-site for the most recent 60 months.
- 3) The permittee shall immediately make such records available to any Department of Natural Resources personnel upon request.

#### Reporting:

The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after the end of the month, if the 12-month cumulative total records show that the source exceeded the limitation of 100.00 tons of NO<sub>x</sub>.

### PERMIT CONDITION PW002

10 CSR 10-6.060 Construction Permits Required  
Construction Permit 0997-024, issued on August 26, 1997

#### Emission Limitation:

If a continuing situation of demonstrated nuisance odors exists in violation of 10 CSR 10-3.090, Restriction of Emission of Odors, the Director may require the permittee to submit a corrective action plan within ten (10) days adequate to timely and significantly mitigate the odors. The permittee shall implement any such plan immediately upon its approval by the Director. Failure to either submit or implement such a plan shall be a violation of this permit.

#### Monitoring/Record Keeping/Reporting:

None.

### III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

EU0010 – EU0060 – GENERATORS			
Emission Unit	Description	Manufacturer/Model #	2003 EIO Reference #
EU0010	Internal combustion diesel engine generator #1, Maximum Hourly Design Rate (MHDR) = 17.15 MMBTU/hr	2000 Caterpillar, Model 3516B, Generator Serial 2SN00543, Engine Serial 7RN00934	EP-10
EU0020	Internal combustion diesel engine generator #2, MHDR = 17.15 MMBTU/hr	2000 Caterpillar, Model 3516B, Generator Serial 2SN00542, Engine Serial 7RN00931	EP-11
EU0030	Internal combustion diesel engine generator #4, MHDR=14.28 MMBTU/hr	1988 Fairbanks-Morse, Model 38DD81/8, Serial 38D871013DFS12RM	EP-04
EU0040	Internal combustion diesel engine generator #5, MHDR = 14.28 MMBTU/hr	1967 Fairbanks-Morse, Model 38DD81/8, Serial 970916	EP-05
EU0050	Internal combustion diesel engine generator #6, MHDR = 17.15 MMBTU/hr	1998 Caterpillar, Model 3516B, Generator Serial 4FN00817, Engine Serial 7RN00462	EP-08
EU0060	Internal combustion diesel engine generator #7, MHDR = 17.15 MMBTU/hr	1998 Caterpillar, Model 3516B, Generator Serial 4FN00816, Engine Serial 7RN00463	EP-09

PERMIT CONDITION (EU0010 – EU0060) - 001
10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

#### Emission Limitations:

- 1) No person shall cause or allow emissions of sulfur dioxide into the atmosphere from any indirect heating source in excess of eight pounds of sulfur dioxide per million BTUs actual heat input averaged on any consecutive three hour time period.
- 2) No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards.

Pollutant	Concentration by Volume	Remarks
Sulfur Dioxide (SO <sub>2</sub> )	0.03 ppm (80 µg/m <sup>3</sup> )	Annual arithmetic mean
	0.14 ppm (365 µg/m <sup>3</sup> )	24-hour average not to be exceeded more than once per year
	0.5 ppm (1300 µg/m <sup>3</sup> )	3-hour average not to be exceeded more than once per year
Hydrogen Sulfide (H <sub>2</sub> S)	0.05 ppm (70 µg/m <sup>3</sup> )	½-hour average not to be exceeded over 2 times per year

	0.03 ppm (42 $\mu\text{g}/\text{m}^3$ )	½-hour average not to be exceeded over 2 times in any 5 consecutive days
Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> )	10 $\mu\text{g}/\text{m}^3$	24-hour average not to be exceeded more than once in any 90 consecutive days

\* Concentration by Volume is given in both parts per million (ppm) and micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ )

**Operational Limitation/Equipment Specification:**

These emission units (EU0010 through EU0060) shall be limited to burning number 2 fuel oil or fuel oil with a lower sulfur content than number 2 fuel oil.

**Monitoring/Record Keeping:**

- 1) The permittee shall maintain an accurate record of the sulfur content of diesel fuel oil used in emission units EU0010 through EU0060. Fuel purchase receipts, analyzed samples or certifications that verify the diesel fuel oil sulfur content will be acceptable.
- 2) These records shall be maintained for five years.
- 3) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.

**Reporting:**

The permittee shall report to the Air Pollution Control Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

**PERMIT CONDITION (EU0010 THROUGH EU0060) - 002**

10 CSR 10-6.060 Construction Permits Required  
Construction Permit 0997-024, issued on August 26, 1997  
Construction Permit 1098-014, issued on September 18, 1998  
Construction Permit 0799-022, issued on July 13, 1999

**Emission Limitations:**

- 1) The permittee shall discharge into the atmosphere from these diesel engines nitrogen oxides (NO<sub>x</sub>) less than 100.00 tons in any consecutive 12-month period. [From Construction Permit 0997-024, regarding EU0030 and EU0040]
- 2) Owensville Power Plant shall emit less than 250 tons of nitrogen oxides (NO<sub>x</sub>) from the three (3) Caterpillar Model 3516 IC Engines (EP-8, EP-9, & EP-10) in any consecutive 12-month period. [From Construction Permit 1098-014, regarding EU0050, EU0060, and EU0010]
- 3) Owensville Power Plant shall emit less than 250 tons of nitrogen oxides (NO<sub>x</sub>) from the four (4) Caterpillar Model 3516 IC Engines (EP-8, EP-9, EP-10 & EP-11) in any consecutive 12-month period. [From Construction Permit 1098-014, regarding EU0050, EU0060, EU0010, and EU0020]

**Monitoring/Record Keeping/Reporting:**

When in compliance with Permit Condition PW001, the permittee will automatically be in compliance with this permit condition. No additional monitoring, record-keeping, or reporting is required.

**PERMIT CONDITION (EU0010, EU0020, EU0050, AND EU0060) - 003**

10 CSR 10-6.270 Acid Rain Source Permits Required

**Emission Limitation:**

The permittee shall obtain New Unit Exemptions for emission units EU0010, EU0020, EU0050, and EU0060 pursuant to Title IV of the Clean Air Act.

The permittee submitted New Unit Exemption Applications for EU0050 and EU0060 to the Missouri Department of Natural Resources Air Pollution Control Program (Project Number 1998-12/029, ORIS Code 2149) on December 29, 1998, and these were granted. The permittee submitted New Unit Exemption Applications for these units again, as well as for EU0010 and EU0020, to the Missouri Department of Natural Resources Air Pollution Control Program (Project Number 2002-06-058, ORIS code 2149) on June 13, 2002, and these will be granted.

The requirements from which these units are exempt include, but are not limited to, the requirements to hold a permit (40 CFR Part 72), hold allowances (40 CFR Part 73), and monitor emissions (40 CFR Part 75).

These units remain exempt as long as the requirements of this permit condition are fulfilled.

**Operational Limitations/Equipment Specifications:**

- 1) Emission units EU0010, EU0020, EU0050, and EU0060 shall only include generators with nameplate capacities of 25 MWe or less.
- 2) These emission units shall only burn fuel that does not include any coal or coal-derived fuel (except coal-derived gaseous fuel with a total sulfur content no greater than natural gas.)
- 3) These emission units shall only burn fuel with an annual average sulfur content of 0.05 percent or less by weight.

**Monitoring/Record Keeping:**

- 1) The permittee shall maintain an accurate record of the type of fuel and sulfur content of fuel used for emission units EU0010, EU0020, EU0050, and EU0060 in accordance with 40 CFR 72.7(d).
- 2) These records shall be maintained on-site for five years.
- 3) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.

**Reporting:**

If a unit fails to meet the requirements of this permit condition, it loses its exemption. In that case, the permittee shall submit a complete Acid Rain permit application no later than 60 days after the first date on which the unit is no longer exempt.



#### **IV. Core Permit Requirements**

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

##### **10 CSR 10-6.050 Start-up, Shutdown and Malfunction Conditions**

- 1) In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the director within two business days, in writing, the following information:
  - a) Name and location of installation;
  - b) Name and telephone number of person responsible for the installation;
  - c) Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
  - d) Identity of the equipment causing the excess emissions;
  - e) Time and duration of the period of excess emissions;
  - f) Cause of the excess emissions;
  - g) Air pollutants involved;
  - h) Best estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
  - i) Measures taken to mitigate the extent and duration of the excess emissions; and
  - j) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
- 2) The permittee shall submit the paragraph 1 information list to the director in writing at least ten days prior to any maintenance, start-up or shutdown, which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, it shall be given as soon as practicable prior to the release. If an unplanned excess release of emissions exceeding one hour occurs during maintenance, start-up or shutdown, the director shall be notified verbally as soon as practical during normal working hours and no later than the close of business of the following working day. A written notice shall follow within ten working days.
- 3) Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph 1 list and shall be submitted not later than 15 days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under section 643.080 or 643.151, RSMo.
- 4) Nothing in this rule shall be construed to limit the authority of the director or commission to take appropriate action, under sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
- 5) Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

#### **10 CSR 10-6.060 Construction Permits Required**

The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

#### **10 CSR 10-6.065 Operating Permits**

The permittee shall file a complete application for renewal of this operating permit at least six months before the date of permit expiration. In no event shall this time be greater than eighteen months. [10 CSR 10-6.065(5)(B)1.A(III)] The permittee shall retain the most current operating permit issued to this installation on-site. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)1.C(II)] The permittee shall immediately make such permit available to any Missouri Department of Natural Resources personnel upon request. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)3.B]

#### **10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information**

- 1) The permittee shall complete and submit an Emission Inventory Questionnaire (EIQ) in accordance with the requirements outlined in this rule.
- 2) The permittee shall pay an annual emission fee per ton of regulated air pollutant emitted according to the schedule in the rule. This fee is an emission fee assessed under authority of RSMo. 643.079 to satisfy the requirements of the Federal Clean Air Act, Title V.
- 3) The fees shall be due April 1 each year for emissions produced during the previous calendar year. The fees shall be payable to the Department of Natural Resources and shall be accompanied by the Emissions Inventory Questionnaire (EIQ) form or equivalent approved by the director.

#### **10 CSR 10-6.130 Controlling Emissions During Episodes of High Air Pollution Potential**

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the Director.

#### **10 CSR 10-6.150 Circumvention**

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

#### **10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin**

- 1) The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the director.
- 2) The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.

- 3) Should it be determined that noncompliance has occurred, the director may require reasonable control measures as may be necessary. These measures may include, but are not limited to, the following:
- i) Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
  - ii) Paving or frequent cleaning of roads, driveways and parking lots;
  - iii) Application of dust-free surfaces;
  - iv) Application of water; and
  - v) Planting and maintenance of vegetative ground cover.

#### **10 CSR 10-6.180 Measurement of Emissions of Air Contaminants**

- 1) The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. All tests shall be performed by qualified personnel.
- 2) The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.
- 3) The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

#### **10 CSR 10-3.030 Open Burning Restrictions**

- 1) The permittee shall not conduct, cause, permit or allow a salvage operation, the disposal of trade wastes or burning of refuse by open burning.
- 2) Exception - Open burning of trade waste or vegetation may be permitted only when it can be shown that open burning is the only feasible method of disposal or an emergency exists which requires open burning.
- 3) Any person intending to engage in open burning shall file a request to do so with the director. The request shall include the following:
  - a) The name, address and telephone number of the person submitting the application; The type of business or activity involved; A description of the proposed equipment and operating practices, the type, quantity and composition of trade wastes and expected composition and amount of air contaminants to be released to the atmosphere where known;
  - b) The schedule of burning operations;
  - c) The exact location where open burning will be used to dispose of the trade wastes;
  - d) Reasons why no method other than open burning is feasible; and
  - e) Evidence that the proposed open burning has been approved by the fire control authority which has jurisdiction.
- 4) Upon approval of the open burning permit application by the director, the person may proceed with the operation under the terms of the open burning permit. Be aware that such approval shall not exempt Owensville Power Plant from the provisions of any other law, ordinance or regulation.
- 5) The permittee shall maintain files with letters from the director approving the open burning operation and previous DNR inspection reports.

**10 CSR 10-3.090 Restriction of Emission of Odors**

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour.

**This requirement is not federally enforceable.**

**Title VI – 40 CFR Part 82 Protection of Stratospheric Ozone**

- 1) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
  - a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
  - b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
  - c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.
  - d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
- 2) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
  - a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
  - b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
  - c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
  - d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
  - e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
  - f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
- 3) If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
- 4) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *Federal Only - 40 CFR part 82*

<b>10 CSR 10-6.280 Compliance Monitoring Usage</b>
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| <ol style="list-style-type: none"><li>1) The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:<ol style="list-style-type: none"><li>a) Monitoring methods outlined in 40 CFR Part 64;</li><li>b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and</li><li>c) Any other monitoring methods approved by the director.</li></ol></li><li>2) Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:<ol style="list-style-type: none"><li>a) Monitoring methods outlined in 40 CFR Part 64;</li><li>b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and</li><li>c) Compliance test methods specified in the rule cited as the authority for the emission limitations.</li></ol></li><li>3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:<ol style="list-style-type: none"><li>a) Applicable monitoring or testing methods, cited in:<ol style="list-style-type: none"><li>i) 10 CSR 10-6.030, "Sampling Methods for Air Pollution Sources";</li><li>ii) 10 CSR 10-6.040, "Reference Methods";</li><li>iii) 10 CSR 10-6.070, "New Source Performance Standards";</li><li>iv) 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants"; or</li></ol></li><li>b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.</li></ol></li></ol> |
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## V. General Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

### 10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.B Permit Duration

This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed.

### 10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.C General Record Keeping and Reporting Requirements

- 1) Record Keeping
  - a) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
  - b) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources' personnel upon request.
- 2) Reporting
  - a) All reports shall be submitted to the Air Pollution Control Program, Enforcement Section, P. O. Box 176, Jefferson City, MO 65102.
  - b) The permittee shall submit a report of all required monitoring by:
    - i) April 1 for monitoring which covers the January through December time period.
    - ii) Exception: Monitoring requirements which require reporting more frequently than annually shall report no later than 30 days after the end of the calendar quarter in which the measurements were taken.
  - c) Each report shall identify any deviations from emission limitations, monitoring, record keeping, reporting, or any other requirements of the permit.
  - d) Submit supplemental reports as required or as needed. Supplemental reports are required no later than ten days after any exceedance of any applicable rule, regulation or other restriction. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
    - i) Notice of any deviation resulting from an emergency (or upset) condition as defined in paragraph (6)(C)7 of 10 CSR 10-6.065 (Emergency Provisions) shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if the permittee wishes to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and the permittee can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken.
    - ii) Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.

- iii) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's annual report shall be reported on the schedule specified in this permit, and no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.
- e) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
- f) The permittee may request confidential treatment of information submitted in any report of deviation.

#### **10 CSR 10-6.065 §(5)(C)1 and §(6)(C)1.D Risk Management Plan Under Section 112(r)**

The permittee shall comply with the requirements of 40 CFR Part 68, Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by 40 CFR Section 68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:

- 1) June 21, 1999;
- 2) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
- 3) The date on which a regulated substance is first present above a threshold quantity in a process.

#### **10 CSR 10-6.065(5)(C)1.A General Requirements**

- 1) The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
- 2) The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit
- 3) The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- 4) This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
- 5) The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted under this rule.
- 6) Failure to comply with the limitations and conditions that qualify the installation for an Intermediate permit make the installation subject to the provisions of 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit.

**10 CSR 10-6.065(5)(C)1.C Reasonably Anticipated Operating Scenarios**

None.

**10 CSR 10-6.065, §(5)(B)4; §(5)(C)1, §(6)(C)3.B, and §(6)(C)3.D; and §(5)(C)3, and §(6)(C)3.E.(I) – (III) and (V) – (VI) Compliance Requirements**

- 1) Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.
- 2) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
  - a) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
  - b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  - c) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
  - d) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
- 3) All progress reports required under an applicable schedule of compliance shall be submitted annually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
  - a) Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
  - b) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.
- 4) The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by April 1, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations must be included in the compliance certifications. The compliance certification shall include the following:
  - a) The identification of each term or condition of the permit that is the basis of the certification;
  - b) The current compliance status, as shown by monitoring data and other information reasonably available to the installation;
  - c) Whether compliance was continuous or intermittent;
  - d) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period; and
  - e) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

**10 CSR 10-6.065, §(5)(C)1 and §(6)(C)7 Emergency Provisions**

- 1) An emergency or upset as defined in 10 CSR 10-6.065(6)(C)7.A shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions



limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:

- a) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
  - b) That the installation was being operated properly,
  - c) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
  - d) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
- 2) Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

#### **10 CSR 10-6.065(5)(C)5 Off-Permit Changes**

- 1) Except as noted below, the permittee may make any change in its permitted installation's operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Off-permit changes shall be subject to the following requirements and restrictions:
  - a) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; the permittee may not change a permitted installation without a permit revision if this change is a Title I modification; Please Note: Changes at the installation which affect the emission limitation(s) classifying the installation as an intermediate source (add additional equipment to the record keeping requirements, increase the emissions above major source level) do not qualify for off-permit changes.
  - b) The permittee must provide written notice of the change to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 901 North 5th Street, Kansas City, Kansas 66101, no later than the next annual emissions report. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change; and
  - c) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes.

#### **10 CSR 10-6.020(2)(R)12 Responsible Official**

The application utilized in the preparation of this permit was signed by **Mary Diestelkamp, Mayor** On October 26, 2005, the Air Pollution Control Program was informed that E. Louise Baker, Mayor is now the responsible official. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this

permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

**10 CSR 10-6.065 §(5)(E)4 and §(6)(E)6.A(III)(a)-(c) Reopening-Permit for Cause**

This permit may be reopened for cause if:

- 1) The Missouri Department of Natural Resources (MDNR) or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,
- 2) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if—:
  - a) The permit has a remaining term of less than three years;
  - b) The effective date of the requirement is later than the date on which the permit is due to expire; or
  - c) The additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,
- 3) MDNR or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

**10 CSR 10-6.065 §(5)(E)1.A and §(6)(E)1.C Statement of Basis**

This permit is accompanied by a statement setting forth the legal and factual basis for the draft permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

## **VI. Attachments**

Attachments follow.

**Monthly NO<sub>x</sub> Emissions Tracking Record**  
**For Six Internal Combustion Diesel Engine Generators (EU0010 Through EU0060)**

Note: Total NO<sub>x</sub> from all six engines limited to less than 100.00 tons in any twelve month consecutive period. This will limit diesel fuel consumption to less than 456,200 gallons per year.

[illegible]

**\* NO<sub>x</sub> Monthly Emissions = Fuel Input \* NO<sub>x</sub> Emission Factor\* 0.0005 ton/lb**

## STATEMENT OF BASIS

### Permit Reference Documents

These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

- 1) Intermediate Operating Permit Application, received May 10, 2002
- 2) 2001 revised Emissions Inventory Questionnaire, received May 10, 2002
- 3) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

### Reasons for Listing Equipment in Emission Units Without Limitations

- 1) Fuel Tank # 1 and Fuel Tank # 2 have de minimis potential to emit (PTE) for volatile organic compounds (VOCs), and zero potential to emit for all other criteria pollutants. They are not subject to any regulations. (See New Source Performance Standards Applicability below.)
- 2) The Day Tanks and Waste Oil Tank have insignificant emissions and are not subject to any regulations.
- 3) The parts washer has de minimis PTE for VOCs and hazardous air pollutants (HAPs), and zero potential to emit for all other criteria pollutants. They are not subject to any regulations.

### Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits

In the operating permit application, the installation indicated they were not subject to the following regulation(s). However, in the review of the application, the agency has determined that the installation is subject to the following regulation(s) for the reasons stated.

- 1) 10 CSR 10-6.280, Compliance Monitoring Usage, has been included in the operating permit to allow the permittee more flexibility in compliance monitoring.
- 2) Title VI – 40 CFR Part 82, Protection of Stratospheric Ozone, applies to all installations and has been included in this permit.
- 3) The General Permit Requirements apply to all installations and have been included in this permit.

### Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program (APCP) has determined that the following requirements are not applicable to this installation at this time for the reasons stated.

- 1) 10 CSR 10-6.100, Alternate Emission Limits, does not apply to this installation because it is not in a nonattainment area for ozone.
- 2) 10 CSR 10-6.270, Acid Rain Permits, does not apply to generators EU0030 and EU0040. Per 40 CFR 72.6(b)(2), they do not qualify as affected units, because of their age and name-plate capacity.

### Construction Permit Revisions

The following revisions were made to construction permits for this installation:

- 1) Construction Permit 0997-024, issued August 26, 1997, Construction Permit 1098-014, issued September 18, 1998, and Construction Permit 0799-022, issued July 13, 1999, all limit NO<sub>x</sub> emissions for subsets of the diesel generators. All of these permits have record keeping and reporting requirements. When in compliance with Permit Condition PW001 in this operating permit, the

permittee will automatically be in compliance with these construction permits, and their record keeping and reporting requirements are no longer necessary.

- 2) Construction Permit 1098-014 contained Special Conditions 4) through 13) relating to performance testing of the diesel engine generators. The Resolution to Notice of Violation #0942JC deemed that these had been fulfilled late. Therefore Owensville Power Plant has met these requirements, and they are not repeated in this permit.

#### **New Source Performance Standards Applicability**

- 1) Fuel Tanks # 1 and #2 are not subject to 40 CFR Part 60 Subpart K or Ka. They each have a capacity of 13,500 gallons, which is less than 40,000 gallons, they are exempt per 40 CFR §60.110 or 40 CFR §60.110a.
- 2) The permittee indicated on the application that Fuel Tank # 2 was subject to 40 CFR Part 60 Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984. However, Fuel Tank #1 and Fuel Tank #2 each have a capacity of 51 cubic meters, which is less than 75 m<sup>3</sup>, so it is exempt per 40 CFR §60.110b.

No other NSPS requirements apply to this installation.

#### **Maximum Available Control Technology Applicability**

No MACT requirements apply to this installation.

#### **National Emission Standards for Hazardous Air Pollutants Applicability**

In the permit application and according to APCP records, there was no indication that any Missouri Air Conservation Law, Asbestos Abatement, 643.225 through 643.250; 10 CSR 10-6.080, Emission Standards for Hazardous Air Pollutants, Subpart M, National Standards for Asbestos; and 10 CSR 10-6.250, Asbestos Abatement Projects - Certification, Accreditation, and Business Exemption Requirements apply to this installation. The installation is subject to these regulations if they undertake any projects that deal with or involve any asbestos containing materials. None of the installation's operating projects underway at the time of this review deal with or involve asbestos containing material. Therefore, the above regulations were not cited in the operating permit. If the installation should undertake any construction or demolition projects in the future that deal with or involve any asbestos containing materials, the installation must follow all of the applicable requirements of the above rules related to that specific project.

No other National Emission Standards for Hazardous Air Pollutants (NESHAPs) apply to this installation.

#### **Other Regulatory Determinations**

None.

#### **Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis**


Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reason:

- 1) The specific pollutant regulated by that rule is not emitted by the installation.
- 2) The installation is not in the source category regulated by that rule.

- 3) The installation is not in the county or specific area that is regulated under the authority of that rule.
- 4) The installation does not contain the type of emission unit which is regulated by that rule.
- 5) The rule is only for administrative purposes.

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the Air Pollution Control Program's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the APCP a schedule for achieving compliance for that regulation(s).

Prepared by:

  
Cheryl Steffan  
Environmental Engineer